

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided
they contain the same information)

1. Name of Applicant or Company Energy Fuels Nuclear, Inc.
2. Proposed type of operation Mining
3. (a) Prior Land Use(s) Mining and Grazing
(b) Current Land Use(s) Mining and Grazing
(c) Possible or Prospective Future Land Use(s) Grazing
4. What vegetation exists on the land proposed to be affected _____

(a) Types and Estimated Percent cover or density: 15 to 20 percent cover
Fourwing saltbush, shadscale, various annuals, juniper
5. What is the pH range of soil before mining? 7.4 - 7.7 pH
Name of Person or Agency and method of determining pH Energy Fuels
Lab - Rocky Smith
6. Site elevation above sea level 5250 feet
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) N/A
8. Estimated duration of mining operations 15 years
9. Has overburden, waste or rejected materials been classified as acid or
alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics
affecting revegetation? _____
10. Will any underground workings or aquifers be encountered? (X) Yes () No
Describe Same amount of water will have to be discharged
Is there an active discharge of water from abandoned deep mines on or
crossing the land affected? () Yes (X) No If yes, describe
the quality of water being discharged. _____

11. Describe specifically a detailed procedure for:
- (a) The mining sequence
 - (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
 - (c) The procedure for site preparation including removing trees and brush.
 - (d) The method for removing and stockpiling topsoil or disturbed materials.
 - (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
 - (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

Experience with wasterock stockpiles at similar operations

Describe method for the testing of soil that is intended to support vegetation

Soil analysis and test seeding

2. Describe any soil treatment employed as an aid to revegetation None
planned at present; soil amendments and/or soil manipulations
may be used.
3. Describe surface preparation of areas intended to support vegetation:

Round off edges of wasterock stockpiles; scarify compacted
surfaces, respread topsoil and broadcast seed.

REVEGETATION

1. Revegetation to be completed by:

<input checked="" type="checkbox"/> Operator	<input type="checkbox"/> Hydroseeding
<input type="checkbox"/> Soil Conservation District	<input type="checkbox"/> Aerial Seeding
<input type="checkbox"/> Private Contractor	<input type="checkbox"/> Conventional or Rangeland Drill
<input type="checkbox"/> Other (specify) _____	<input checked="" type="checkbox"/> Broadcast and Drag
	<input type="checkbox"/> Other _____

2. Will Mulch be used? () Yes (X) No

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Indian Ricegrass	1 lb/acre	All areas	All	Fall
Fourwing Saltbush	1½ lb/acre	All areas	All	Fall
Shadscale Salt bush	2 lb/acre	All areas	All	Fall
Sand Dropseed	2 lb/acre	All areas	All	Fall
Yellow Sweetclover	1 lb/acre	All areas	All	Fall

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes () No Will vegetation protection be needed? If grazing
pressure is excessive, the reseeded area will be fenced.

5. Will irrigation be used: () Yes (X) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

Site will be monitored and reseeded if necessary.

STATE OF Utah

COUNTY OF San Juan

I, MURIL D. VINCELETTE, having been duly sworn
depone and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the Applicant and this
application has been executed as required by law.

Signed: M D Vincelette

Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 25th day of July, 1979.

Notary Public: Samuel W. Fox

My Commission Expires: June 2, 1982

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as
follows:

"Information relating to the location, size, or nature
of the deposit and marked confidential by the operator,
shall be protected as confidential information by the
Board and the Division and not be a matter of public
record in the absence of a written release from the
operator, or until the mining operation has been
terminated as provided in subsection (2) of section
40-8-21."

Is confidential information contained herein?

YES _____ (Initial)

NO DK _____ (Initial)

Sections desired to be maintained as confidential information -

_____	_____	_____
_____	_____	_____
_____	_____	_____